



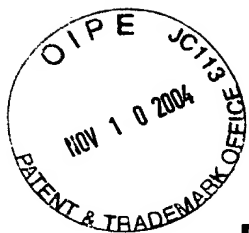
3/63

Fig.4 A

Amino acid sequence of human gp130-Fc-His6

Sequence Range: 1 to 861

10	20	30	40	50	60
*	*	*	*	*	*
MVTLQTWVVQALFIFLT	TES	TGELLDPCGYISPESPVVQL	HSNFTAVCVLKEKCMDYFHV		
70	80	90	100	110	120
*	*	*	*	*	*
NANYIVWKTNHTIPKEQYT	IINRTASSVTFTDIASLNIQ	LTCNILTFGQLEQNVYGITI			
130	140	150	160	170	180
*	*	*	*	*	*
ISGLPPEKPKNLSCIVNEGK	KMRCEWDGGRETHLETNFTL	KSEWATHKFADCKAKRDTPT			
190	200	210	220	230	240
*	*	*	*	*	*
SCTVDYSTVYFVNIEVWVEA	ENALGKVTSDHINFDPVYKV	KPNPPHNLSVINSEELSSIL			
250	260	270	280	290	300
*	*	*	*	*	*
KLTWTNPSIKSVIILKYNIQ	YRTKDASTWSQIPPEDTAST	RSSFTVQDLKPFTEYVFRIR			
310	320	330	340	350	360
*	*	*	*	*	*
CMKEDGKGYWSDWSEEASGI	TYEDRPSKAPSFYWKIDPSH	TQGYRTVQLVWKTLPPEAN			
370	380	390	400	410	420
*	*	*	*	*	*
GKILDYEVTLTRWKSHLQNY	TVNATKLTVNLTNDRYLATL	TVRNLVGKSDDAAVLTIPACD			
430	440	450	460	470	480
*	*	*	*	*	*
FQATHPVMDLKAFPKDNMLW	VEWTTTPRESVKKYILEWCVL	SDKAPCITDWQQEDGTVHRT			
490	500	510	520	530	540
*	*	*	*	*	*
YLRGNLAESKCYLITVTPVY	ADGPGSPESIKAYLKQAPPS	KGPTVTRTKKVGKNEAVLEWD			
550	560	570	580	590	600
*	*	*	*	*	*
QLPVDVQNGFIRNYTIFYRT	IIGNETAVNVDSSTHEYTLS	SLTSDTLYMVRMAAYTDEGG			
610	620	630	640	650	660
*	*	* ↑ ↑ *	*	*	*
KDGPEFTFTTPKFAQGEIES	<u>GEPKSCDKTHTCPPCPAPEL</u>	<u>LGGPSVLEFPPKPKDTLMIS</u>			
670	680	690	700	710	720
*	*	*	*	*	*
RTPEVTCVVVDVSHEDPEVK	<u>FNWYVDGVEVHNAKTKPREE</u>	<u>OYNSTYRVVSVLTVLHODWL</u>			
730	740	750	760	770	780
*	*	*	*	*	*



4/63

Fig.4B

NGKEYKCKVSNKALPAPIEK TISKAKGOPREPOVYTLPPS RDELTKNOVSLTCLVKGFYP

790 800 810 820 830 840
* * * * * *

SDIAVEWESNGOPENNYKTT PPVLDSGDSFFLYSKLTVDK SRWOOGNVFSCSVMHEALHN

850 860
* *

HYTOKSLSLSPGKHHHHHH•

Fig.5.

The amino acid sequence of human IL-6R α -Fc

Sequence Range: 1 to 594

10 20 30 40 50 60
* * * * * *

MVAVGCALLAALLAAPGAAL APRRCPAQEVARGVLTSLPG DSVTLTCPGVEPEDNATVHW

70 80 90 100 110 120
* * * * * *

VLRKPAAGSHPSRWAGMGRRL LLLRSVQLHDSGNYSYRAG RPAGTVHLLVDVPPEEPQLS

130 140 150 160 170 180
* * * * * *

CFRKSPLSNVVCEWGPRSTP SLTTKAVLLVRKFQNSPAED FQEPCCQYSQESQKFSCQLAV

190 200 210 220 230 240
* * * * * *

PEGDSSFYIVSMCVASSVGS KFSKTQTFQCGILQPDPPA NITVTAVARNPRWLSVTWQD

250 260 270 280 290 300
* * * * * *

PHSWNSSFYRLRFELRYRAE RSKTFTTWMVKDLQHHCVIH DAWSGLRHVQVQLRAQEEFGQ

310 320 330 340 350 360
* * * * * *

GEWSEWSPEAMGTPWTESRS PPAENEVSTPMQALTTNKDD DNILFRDSANATSLPVQDAG

370 380 390 400 410 420
*† * * * * *

EPKSCDKTHTCPPCPAPELL GGPSVLEFPKPKDTLMISR TPEVTCVVVDVSHEDPEVKF

430 440 450 460 470 480
* * * * * *

NWYVDGVEVHNAKTKPREEO YNSTYRVVSVLTVLHODWLN GKEYKCKVSNKALPAPIEKT

490 500 510 520 530 540
* * * * * *

ISKAKGOPREPOVYTLPPSR DELTKNOVSLTCLVKGFYPS DIAVEWESNGOPENNYKTT

550 560 570 580 590
* * * * *

PVLDSGDSFFLYSKLTVDKS RWOOGNVFSCSVMHEALHNH YTOKSLSLSPGK•

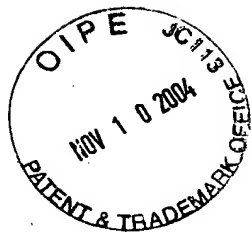
8/63

Fig.9A

Amino acid sequence of gp130-Cy1

Sequence Range: 1 to 952

10	20	30	40	50	60
*	*	*	*	*	*
MVTLQTWVVQALFIFLTES	TGELLDPGYSISPESPVVQL	HSNFTAVCVLKEKCMDYFHV			
70	80	90	100	110	120
*	*	*	*	*	*
NANYIVWKTNHFTIPKEQYT	IINRTASSVTFTDIASLNIQ	LTCNILTFGQLEQNVYGITI			
130	140	150	160	170	180
*	*	*	*	*	*
ISGLPPEKPKNLSCIVNEGK	KMRCEWDGGRETHLETNFTL	KSEWATHKFADCKAKRDTPT			
190	200	210	220	230	240
*	*	*	*	*	*
SCTVDYSTVYFVNIEVWVEA	ENALGKVTSDHINFDPVYKV	KPNPPHNLSVINSEELSSIL			
250	260	270	280	290	300
*	*	*	*	*	*
KLTWINPSIKSVIILKYNIQ	YRTKDASTWSQIPPEDTAST	RSSFTVQDLKPFTEYVFRIR			
310	320	330	340	350	360
*	*	*	*	*	*
CMKEDGKGYWSDWSEEASGI	TYEDRPSKAPSEFWYKIDPSH	TQGYRTVQLVWKTLPPEAN			
370	380	390	400	410	420
*	*	*	*	*	*
GKILDYEVTLTRWKSHLQNY	TVNATKLTVNLTNDRYLATL	TVRNLVGKSDAAVLTIPACD			
430	440	450	460	470	480
*	*	*	*	*	*
FQATHPVMDLKAFPKDNMLW	VEWTTTPRESVKYILEWCVL	SDKAPCITDWQQEDGTVHRT			
490	500	510	520	530	540
*	*	*	*	*	*
YLRGNLAESKCYLITVTPVY	ADGPGSPESIKAYLKQAPPS	KGPTVRTKKVGKNEAVLEWD			
550	560	570	580	590	600
*	*	*	*	*	*
QLPVDVQNGFIRNYTIFYRT	IIGNETAVNVDSSHTEYTLS	SLTSDTLYMVRMAAYTDEGG			
610	620	630	640	650	660
*	*	*	*	*	*
KDGPEFTFTTPKFAQGEIES	<u>GASTKGPSVEPLAPSSKSTS</u>	<u>GGTAALGCLVKDYFPEPVTV</u>			
670	680	690	700	710	720
*	*	*	*	*	*
<u>SWNSGALTSGVHTFPAVLOS</u>	<u>SGLYSLSSVVTVPSSSLGTO</u>	<u>TYICNVNHKPSNTKVDKKVE</u>			
730	740	750	760	770	780
*	*	*	*	*	*
<u>PKSCDKHTCTPPCPAPELLG</u>	<u>GPSVLEFPKPKDITLMISRT</u>	<u>PEVTCVVVDVSHEDPEVKFN</u>			



9/63

Fig.9B

790	800	810	820	830	840
*	*	*	*	*	*
<u>WYVDGVEVHNAKTKPREEOY NSTYRVVSVLTVLHODWLNG KEYKCKVSNKALPAPIEKTI</u>					
850	860	870	880	890	900
*	*	*	*	*	*
<u>SKAKGOPREPOVYTLPPSRD ELTKNOVSLTCLVKGFYPSD IAVEWESNGOPENNYKTTTP</u>					
910	920	930	940	950	
*	*	*	*	*	
<u>VLDSGDSFFLYSKLTVDKSR WOOGNVFSCSVMHEALHNNHY TOKSLSLSPGK*</u>					

Fig.10.

Amino acid sequence of gp130 Δ 3fibro

Sequence Range: 1 to 332

10	20	30	40	50	60
*	*	*	*	*	*
MVTLQTWVVQALFIFLTES TGELLDPCGYISPESPVVQL HSNFTAVCVLKEKCMDYFHV					
70	80	90	100	110	120
*	*	*	*	*	*
NANYIVWKTNHFTIPKEQYT IINRTASSVTFTDIASLNIQ LTCNILTFGQLEQNVYGITI					
130	140	150	160	170	180
*	*	*	*	*	*
ISGLPPEKPKNLSCIVNEGK KMRCEWDGGRETHLETNFTL KSEWATHKFADCKAKRDTPT					
190	200	210	220	230	240
*	*	*	*	*	*
SCTVDYSTVYFVNIEVWVEA ENALGKVTSDHINFDPVYKV KPNPPHNLSVINSEELSSIL					
250	260	270	280	290	300
*	*	*	*	*	*
KLTWTNPSIKSVIILKYNIQ YRTKDASTWSQIPPEDTAST RSSFTVQDLKPFTEYVFRIR					
310	320	330			
*	*	*			
CMKEDGKGYSWDWSEEASGI TYEDRPSKAPSG					